Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/08/2021 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123662	-2	2.54	123599	2.53
Blue	F	SSC	125000	124157	-1	4.22	124570	4.16
Blue	E	FITC	14400	13888	-4	3.06	319	14.56
Blue	D	PE	24713	24274	-2	2.56	555	10.64
Blue	B	PerCP-Cy5-5	31796	31372	-2	3.65	1038	14.44
Blue	A	PE-Cy7	21240	21234	-1	5.63	566	29.06
Red	C	APC	41319	40808	-2	3.33	1708	11.23
Red	A	APC-Cy7	21019	20671	-2	3.63	771	11.28
Violet	B	V450	7305	7048	-4	3.86	429	12.59
Violet	A	V500	28652	27320	-5	3.37	685	9.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23086	2.65	563	-6	N/A	N/A	Pass
Blue	F	SSC	57613	2.88	516	4	N/A	N/A	Pass
Blue	E	FITC	58	50.63	489	-2	0.0493	0	Pass
Blue	D	PE	116	36.16	487	0	0.4523	317	Pass
Blue	B	PerCP-Cy5-5	192	35.14	584	0	0.0205	55	Pass
Blue	A	PE-Cy7	115	65.89	631	1	0.0220	0	Pass
Red	C	APC	396	23.74	575	2	0.0302	239	Pass
Red	A	APC-Cy7	173	26.58	547	2	0.0071	1207	Pass
Violet	B	V450	59	60.31	458	2	0.0523	1617	Pass
Violet	A	V500	98	32.10	471	1	0.0247	457	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.65	-31.51	1.01
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.22	15.99 - 23.99	N/A	N/A	29.99	30.10	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 16576

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments